

Samuel Santos

Software Developer

North Manly, NSW, Australia

ABOUT ME

With a background in Mechanical Engineering and teaching Mathematics and English, I bring strong problem-solving skills and attention to detail. My diverse experiences have given me a comprehensive perspective and the ability to tackle challenges effectively. Eager to learn and committed to a career change, I've explored full stack web development, finding coding a fascinating tool for creativity and understanding the workings behind the scenes. I'm motivated to take on new challenges and build a rewarding career in this dynamic field.

WORK EXPERIENCE

The Lead Group | Full Stack Developer | April 2024 – Present

- Working with a non-profit organisation dedicated to providing guidance on lead exposure prevention and offering test kits for lead detection in homes.
- Collaborating with other developers in building an e-commerce website to support the organisation's mission.
- Developed features of the front-end interface using **Next.js**, **TypeScript** and **Payload CMS**, including:
 - A **stepper** component to guide users through multi-step processes.
 - A **"Contact Us" page** to facilitate user communication with the organisation.
 - A **dashboard** for administrators to effectively list and manage users.
- Created and optimised API endpoints using **Node.js** and **Express.js** to connect forms and other features with the **MongoDB** database.
- Utilise **Git** for version control to effectively collaborate with the development team.
- Our development process follows **Agile** methodology, promoting efficient collaboration and continuous improvement.

_nology | Software Developer Trainee | Aug 2023 – Feb 2024

- Developed the backend API layer using **Java** and **Spring Boot** for the student tracking system used by Nology employees to manage students, implementing RESTful endpoints for managing student profiles, enrolment records, attendance tracking, and academic performance metrics.
- Design and development of the front-end interface using **React** and **TypeScript**, enhancing user experience and usability for educators and administrators.
- Implemented comprehensive unit tests, integration tests, and end-to-end tests using **JUnit**, **Mockito** and **Playwright** to ensure code quality, reliability, and maintainability.
- Utilised **Git** for version control and collaborated with team members to ensure smooth code integration.

The Styling Project | Removalist | May 2019 – Feb 2022

- Managed the organisation of the warehouse, making sure the furniture was clean and damage free as well as the transportation of the furniture to clients.

Centro de Cultura Britânica Red Lion | English Teacher Mar 2017 - Jul 2018

- Prepared and delivered English lessons for diverse age groups, including children, teenagers and adults.

CONTACT



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PORTFOLIOS



Portfolio



GitHub

PROJECTS

E-commerce

Full stack fake e-commerce platform that sells candles.

Tech stack: React, Sass and Firebase/Firestore.

Employee Creator

Application used to manage employees' information.

Tech stack: React, Typescript, Spring, MySQL and Tailwind.

Pet Sitting Services

Full stack app that allows you to request or provide pet sitting services.

Tech stack: React, Express, Typescript, MySQL and Tailwind.

KEY SKILLS

- React & Next.js
- Node.js & Express
- Java 8/Spring
- Nest.js
- SQL & MySQL
- Firestore
- Docker
- JavaScript
- Typescript
- Tailwind CSS
- CSS/SASS
- HTML
- e2e & unit testing

EDUCATION

Full Stack Engineer Program

_nology - Nov 2023

Leadership & Management Advanced Diploma

Pacific Training Group - April 2022

Bachelors of Mechanical Engineering

Federal Center for Technological Education of Minas Gerais - June 2015

REFERENCES

Ernest Thomas

Project Manager at The Lead Group

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Peter Roche

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